

Date: Fri, 17 Dec 93 13:00:05 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #1473  
To: Info-Hams

Info-Hams Digest                      Fri, 17 Dec 93                      Volume 93 : Issue 1473

Today's Topics:

Bravo, Bravo +, etc. pager options and programming ?  
    HDN Releases  
    Kenwood TH78a VCO mod  
    Logging Programs  
    need comments on DJ-  
Optimum call sign for CW/contests? (3 msgs)  
    R/C Aircraft  
    Reference for xmit tubes?  
    Technician testing program needed  
Where are all the young enthusiasts? (3 msgs)  
Where have the DX bulletins gone?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

-----

Date: 14 Dec 1993 20:57:31 GMT  
From: nntp.ucsb.edu!library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!  
vixen.cso.uiuc.edu!uxa.cso.uiuc.edu!epm52766@network.ucsd.edu  
Subject: Bravo, Bravo +, etc. pager options and programming ?  
To: info-hams@ucsd.edu

CSLE87@maccvm.corp.mot.com (Karl Beckman) writes:

>Tell your paging company that you want a new dial-in number. Then, while  
>they are programming the new number in your pager, ask them to change th  
>alert beep sequence at the same time. It should be a N/C deal that way!!  
> BTW, no it isn't a simple thing to build the interface, and you need

>some very sophisticated software to access the internal micro-P. This  
>software is of course copyrighted by Motorola and sold only to those who  
>have a good reason to get inside the pager to adjust the many features  
>and options. Theft of paging service is a federal crime! WA8NVW

This is not true. When you get a new-dial in number, they just change their computer system database to reflect that your old number is inactive, and your new number is now associated with CAP code 123456790. Reprogramming of your pager is not neccessary.

73, de N9KET (andrew)

>----- Original Article -----

>Newsgroups: rec.radio.amateur.misc  
>From: mwgordon@nyx10.cs.du.edu (Mike Gordon)  
>Subject: Bravo, Bravo +, etc. pager options and programming ?  
>Message-ID: <1993Dec14.012520.27012@mnemosyne.cs.du.edu>  
>Organization: Nyx, Public Access Unix at U. of Denver Math/CS dept.  
>Date: Tue, 14 Dec 93 01:25:20 GMT  
>Lines: 41

> Due to a career change, I will be back to using a pager soon. About  
>four years ago, I was on a Bravo, now I see that the paging companies are  
>pushing a variety of numeric pagers, including the Bravo + (or 2?), Bravo  
>Express, the Freespirit (rounded looking moto pager) and those CHEAP NEC  
>models. I'd like to stay with a Motorola, (I hear nothing but problems  
>about the NEC) but which one?

> I like the time-stamp feature of the Bravo + and Express, and vibration  
>mode is a must, as I'm often in noisy environments. What other features do  
>these newer units have, and how useful are they? What options can the user  
>set, and what ones can be set by the dealer? Since I'm sure most dealers  
>don't want to go through the trouble of programming options, I'm sure they  
>won't tell me about all of them.

> Also, has anyone figured out how to program a Bravo through the 3  
>contacts near the battery? (Without having to pay the paging company big  
>\$ to do it?) A buddy of mine want's to change the his beep sound (no, not  
>his CAP code), and can't justify the \$25 his paging company wants just to  
>plug it in and hit a few keys on their computer. He has a PC, and can  
>make a cable / interface if it isn't too overly complicated. Gee, could  
>it just bee a 3 wire serial connection?

> On a more serious note, last time I was on a pager, my call-in number  
>used to be occupied by a "dealer". (And I don't mean a used car dealer.)  
>As I worked third shift and often slept during the day, (and will be again,  
>oh joy of joys) I didn't enjoy the calls at noon from his old customers.  
>Does anyone have any little hints on how to avoid this? Please don't

>suggest having my boss call me at home during my sleeping hours, because  
>that would mean I'd have to plug my phone in and get woke up by tele-  
>marketers. (At least they don't call pagers!)

> By the way, the rep from the paging company could only suggest turning  
>off the pager while I slept. Kind of defeats the purpose of having a pager  
>when you're on call around the clock, and missing a call means losing a  
>shift.

>Thanks in advance for any help,

>Mike Gordon N9LOI mwgordon@nyx.cs.du.edu

-----  
Date: Wed, 15 Dec 1993 00:21:05  
From: ucsnews!sol.ctr.columbia.edu!news.kei.com!news.oc.com!utacfd.uta.edu!rwsys!  
ocitor!FredGate@network.ucsd.edu  
Subject: HDN Releases  
To: info-hams@ucsd.edu

The following files were processed Wednesday 12-15-93:

HAMPACK [ HAM: Packet Communications programs ]

-----  
MSYSB116.EXE ( 358531 bytes) MSYS ver 1.16 small version (no  
network)

-----  
358531 bytes in 1 file(s)

Total of 358531 bytes in 1 file(s)

Files are available via Anonymous-FTP from ftp.fidonet.org  
IP NET address 140.98.2.1

Directories are:

- pub/fidonet/ham/hamnews (Bulletins)
- /hamant (Antennas)
- /hamsat (Sat. prg/Amsat Bulletins)
- /hampack (Packet)
- /hamelec (Formulas)
- /hamtrain (Training Material)
- /hamlog (Logging Programs)
- /hamcomm (APLink/JvFax/Rtty/etc)
- /hammods (Equip modification)

/hamswl (SWBC Skeds/Frequencies)  
/hamscan (Scanner Frequencies)  
/hamutil (Operating aids/utils)  
/hamsrc (Source code to programs)  
/hamdemo (Demos of new ham software)  
/hamnos (TCP/IP and NOS related software)

Files may be downloaded via land-line at (214) 226-1181 or (214) 226-1182.  
1.2 to 16.8K, 23 hours a day .

When ask for Full Name, enter: Guest;guest <return>

lee - wa5eha  
Ham Distribution Net

\* Origin: Ham Distribution Net Coordinator / Node 1 (1:124/7009)

-----  
Date: 16 Dec 93 15:14:14 GMT  
From: ogicse!uwm.edu!cs.utexas.edu!usc!girtab.usc.edu!not-for-  
mail@network.ucsd.edu  
Subject: Kenwood TH78a VCO mod  
To: info-hams@ucsd.edu

Hello all,

I have a friend who is interested in modifying his Kenwood TH-78a to receive and transmit beyond 496Mhz (on the 440 band), which is where the radio stops when the diode mods are completed (please no replys about this being illegal, etc.).

He is pretty certain that the VCO will need to be re-aligned and cannot determine from the service manual how this is done. Anyone who has completed this mod (or attempted with, or without, success) please reply directly to me at asplund@aludra.usc.edu.

Any help would be appreciated! Thanks in advance!  
--Daryl

-----  
Date: 17 Dec 93 16:33:21 GMT  
From: ogicse!uwm.edu!vixen.cso.uiuc.edu!uchinews!att-out!cbnewsh!  
afy@network.ucsd.edu  
Subject: Logging Programs  
To: info-hams@ucsd.edu

-----  
Date: Tue, 14 Dec 1993 12:30:04 -0600  
From: ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!cs.utexas.edu!oakhill!  
val!afarm!fredmail@network.ucsd.edu  
Subject: need comments on DJ-  
To: info-hams@ucsd.edu

=> Quoting Jerry Sy to (crosspost 1) All <=-

JS> I am thinking of buying the Alinco DJ-560T HT now on closeout for  
JS> \$300. I'd like to get comments from 560 owners and anybody else on what  
jerry, i bought a dj-560t about 2 months ago....the only problem i have  
with it is that it is fairly fragile. i'm used to more rugged, public  
safety radios that you can throw at people. the audio leaves a lot to be  
desired. it has a good channel configuration, the scan features are sad  
compared to a scanner but acceptable. it works well for most of the austin  
repeaters if you get the 12v battery. a good solid radio that i would  
recommend. but, i'd like to get the dj-580. i hear that it is better  
in audio than the 560. chris kc5dvr

... Drinking and Driving: A Killer Idea....  
\_\_\_ Blue Wave/QWK v2.12

-----  
Date: 16 Dec 1993 15:21:23 GMT  
From: sdd.hp.com!vixen.cso.uiuc.edu!howland.reston.ans.net!math.ohio-state.edu!  
caen!destroyer!news1.oakland.edu!vela.acs.oakland.edu!prvalko@network.ucsd.edu  
Subject: Optimum call sign for CW/contests?  
To: info-hams@ucsd.edu

The cool thing regarding vanity calls is that you DO NOT have to get a  
three-land call! You can buy any cool call you can afford.

Last time I looked in the server, K9DOG was still being used. <G>

I wonder who will buy WB00ZE? Certainly not a tea-tottaer!

-----  
Date: 17 Dec 93 04:03:03 GMT  
From: mnemosyne.cs.du.edu!nyx10!jmaynard@uunet.uu.net  
Subject: Optimum call sign for CW/contests?

To: info-hams@ucsd.edu

In article <CI3KDB.CK2@srigenprp.sr.hp.com>, Alan Bloom <alanb@sr.hp.com> wrote:  
>For CW, pick the shortest possible call that ends with a dash (since dits  
>are more likely to get lost in the noise). Also it should not end with  
>a K or anything that sounds like a prosign. If I were still in 3-land,  
>I'd go for something like NE3T or NE3A.

I'd beg to differ a bit on this one; I ran FD this year as N5TM, and I found myself getting beaten out by folks with longer calls who were the last ones replying to a CQ. This factor wasn't nearly so bad when I've operated with my own call.

--

Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can  
jmaynard@oac.hsc.uth.tmc.edu | adequately be explained by stupidity.  
"A good flame is fuel to warm the soul." -- Karl Denninger

-----  
Date: Thu, 16 Dec 1993 16:16:20 CET  
From: sdd.hp.com!cs.utexas.edu!howland.reston.ans.net!newsserver.jvnc.net!gmd.de!  
dearn!esoc!wkoehler@network.ucsd.edu  
Subject: Optimum call sign for CW/contests?  
To: info-hams@ucsd.edu

The fastest, i.e. shortest, good call sign for CW contesting would certainly be N5EA.

Wolf.

-----  
Date: Sun, 12 Dec 93 05:25:43 EST  
From: nnntp.ucsb.edu!library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!  
math.ohio-state.edu!sdd.hp.com!nigel.msen.com!ilium!sycom!p-cove!  
wolfman@network.ucsd.edu  
Subject: R/C Aircraft  
To: info-hams@ucsd.edu

Dan Raneri      N20QN <DCR117@psuvm.psu.edu> writes:

> You ask: 'What kinda money we talkin?'  
>  
> Anywhere from \$500.00 on up... The B-29 mentioned above must have cost  
> MANY thousands of dollars... (\$10,000 ... \$50,000 ... etc) I don't  
> know... In order to get a bird up in the air as you would like, you must be  
> looking at a pretty big ship. Something in the 30-40-50 lb range, with all

Not necessarily... If he can find a small enough computer board for it, such as a gutted out laptop with a pcmcia slot, he could get pretty small.. The TNCs aren't all that big, and I bet he could find a small radio... Now the weight of all that could pose a problem to where he would have to go with a bigger plane..

> these computers and sensors and packet radio things... That will cost  
> easily into the thousands of dollars... Propellers for airplanes like these  
> cost \$15.00 to \$40-\$80, and when you break them on landings, which WILL  
> happen, probably, you get to replace... :-(

It will cost a hefty ammount of money, and it would be quite a gut wrencher if he crashed it :( ...

Aaron

---

wolfman@p-cove.uucp (Aaron Smith KB8PFZ)  
System Operator of Pirate's Cove.  
+1-810-982-7545, Port Huron, Mi

---

Date: 15 Dec 93 13:43:41 EST  
From: ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!news.intercon.com!  
psinntp!arrl.org@network.ucsd.edu  
Subject: Reference for xmit tubes?  
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, molson@bml4380.cpg.cdc.com (Mark Olson) writes:

>  
> Can anyone point me to a reference for transmitting tubes?  
>

Mark:

The ARRL Handbook has a large table of tube data, including the transmitting tubes you're interested in. In the 1994 edition, see Tables 13 and 14 in Chapter 35.

73,  
Joel Kleinman, N1BKE  
Associate Technical Editor, ARRL HQ

---

Date: Thu, 16 Dec 1993 15:22:21 GMT

From: sdd.hp.com!vixen.cso.uiuc.edu!howland.reston.ans.net!sol.ctr.columbia.edu!  
usenet.ucs.indiana.edu!ds9.hper.indiana.edu!user@network.ucsd.edu  
Subject: Technician testing program needed  
To: info-hams@ucsd.edu

I'm looking a testing program (DOS, Windows, or Mac) for the Technician  
exam (Elements 2 and 3A), that have the current exam question it. Can  
I find any of these program on ftp?

Thanks in advance,  
mike

ps: any study advice is appreciated.

--

Mike Basinger: "Not speaking for Indiana University"  
dbasinge@nickel.ucs.indiana.edu  
dbasinge@arapahoe.ucs.indiana.edu (NeXT Mail)

-----

Date: 17 Dec 93 02:15:51 GMT  
From: ogicse!uwm.edu!wupost!wuecl.wustl.edu!cec3!j1w3@network.ucsd.edu  
Subject: Where are all the young enthusiasts?  
To: info-hams@ucsd.edu

Drew Diamond (drew@trl.oz.au) wrote:

: Is there no longer any "magic" in radio for young persons? At my radio  
: club, I see the same bunch of (mostly) grey and balding heads- rare to see a  
: young, enthusiastic person attend a meeting. And on the air- same bunch of  
: grey beards- not many young voices.

: Let me quote a paragraph from "Most Secret War" by Prof. R.V.Jones, of  
: Scientific Intelligence fame;

: "My main hobby in my schooldays was, as with many other boys

...

: might improve his aerial or his receiver, and give him  
: something to boast about to his friends...".

:

: Young persons now are surrounded by global TV, cellular phones, computers  
: with exciting games.... Is it surprising that building radios offers little  
: prospect of any real fun?

: Can we do anything? Should we try to do anything? Will our



: cherished hobby simply fade away and die? Clues anyone?

: 73, Kind Regards,

: Drew, VK3XU. Telecom Australia Research Laboratories.

Grey hair vs. youth? Well, that's just the way life deals it now, eh? But seriously, amateur radio operators just find a hard time matching the "excitement" that modern technology offers. Yes--there's a lot of excitement in new radio developments--and in fact, I personally have found learning about ham radio/theories/etc. quite stimulating. What originally drew you to hamming? Building radios? Well, it is now that radios are so common that a person can get one free if he looked hard enough. Today's youth is involved and interested in fun--and the youth is entranced by media. With all of technology sucking interest from practical electric theory (which some people hate anyway) to learning how to do stuff like navigate the internet :) how much surprise is there really? 3/4 of my friends look at me and say, "huh?" when I say I'm learning morse code and studying for the exam. Most of us don't have any clue that the hobby even exists. Those who get involved also find that the equipment that can pretty much be used just for hamming is expensive--on the other hand, computers are quite multi-functional.

Amateur radio has to be "advertized" and glamorized for the youth to take notice--but really, how much involvement can anything really expect in today's busy society?

--jesse

(still a youth, not YET licensed, but working on it)

btw, even at the amateur radio club at my university, there are perhaps 50 operators with keys to the shack--not too much for a school with > 5000 undergrads and who-knows-how-many-more grads. But at least the school has facilities!!!

-----

Date: 17 Dec 93 05:00:51 GMT  
From: brunix!doorknob!sds@uunet.uu.net  
Subject: Where are all the young enthusiasts?  
To: info-hams@ucsd.edu

Speaking only for myself....

I'm 20. Is that young enough to fit in with the "young enthusiast" that you find lacking? Certainly it is at my home club, and even tends to be so at my (defunct but reforming) university club, where I

am the only undergrad who attended the restructuring meeting.

So why did I pick up my ticket? What's in it for me, especially since I have internet at my disposal (the ultimate communications tool of this age, IMHO)? Well:

(1) Emergency service. Maybe I'm weird, but I *\*like\** public service, and the concept of being useful in a bona fide emergency really gives me a sense of -- well, pride and worth (not to be too corny or anything ;)

(2) Another place to meet interesting people. Some of the guys (and gals, though they are few and far between) that I've met thru the hobby are *\*really\** neat and interesting, and I love the interactions I have with them. I'm fairly certain I wouldn't have met many of those people if I hadn't gotten into radio.

(3) My childhood. I remember taking electronic lessons when I was 10 or so from an experienced ham, and watching in awe as he would paddle out these DX contacts and teach me how to build these simple receivers... that and he'd built all this equipment *\*himself\**, and was using it to talk to people from all over the place. (He did scare me off from the code; I never could get it down as fast as he was doing it. Years later, however, I learned that he was operating at 30-45 wpm, and was giving me code examples at 20....) It was so neat! In fact, one of the most depressing things to me currently about the hobby is that if you took my HT and smashed it on the sidewalk, I'd have no *\*clue\** about how to go about repairing it besides sending it to Yaesu.

(4) Digital mode research. I set my packet station up in our AI lab one day this semester. Within a week I had email from 2 professors wanting to talk about different possible applications of digital mode. Now, part of amateur radio is exploring and running with these kind of experimental ideas, right? So, there's another draw.

The only problem for me is that I can think of counters to almost every one of these points, especially (1) and (4). So perhaps it's not for everyone? But there's a core of people who I think can be drawn into the hobby. I still see that spark of wonder on the faces of sophomores at my old high school when the ham club advisor draws out his shortwave, throws a piece of wire over a table as an antenna, and tunes in the BBC World Service, or Radio Moscow. DXing is still an amazing concept, digital mode has incredible potential, and there will always be the type of person who wants to volunteer for local events, or work with RACES or EMA, or whatever.

I personally am trying to do my part to expand the hobby (the web page and looking into these professors' ideas), although in the end it's doubtful that I can really make that much of a difference.

Sorry to evangelize on my soapbox. I just wanted to speak up as one "young ham" who will try to keep the spirit of amateur radio alive as best he can.

Scott - scott\_swanson@brown.edu - n9sat

-----  
Date: 17 Dec 93 16:53:22 GMT  
From: ogicse!emory!nntp.msstate.edu!willis1.cis.uab.edu!right.dom.uab.edu!user@network.ucsd.edu  
Subject: Where are all the young enthusiasts?  
To: info-hams@ucsd.edu

It seems to me that "in the old days" the bits that made up a radio were very simple. For a receiver a coil, cats whisker diode, capacitor, antenna, and headphones made a receiver. Picked up AM. I remember putting together such a set in the late 1960's. Listening to WLS was fun then. Who would want to listen to AM broadcast now? Would a ten year old want to listen a second time to young adults calling in and whining on AM broadcast radio? I think not.

However, there are lots of IC receiver chips that are out that can be used for FM. Not many parts are needed for something that could pick up VHF. Weather service is a reliable signal in VHF, useful too. A few parts changes would allow reception of public service bands. I imagine it would be pretty cool to put together a radio that could listen in on police and fire bands. Certain areas would have special interests such as train bands, perhaps.

What I am getting at is that the availability of simple kits for radios would be great. Something with some educational value. Years ago my father bought me a subscription to some service called things of science, or something like that. This was great! It had an optics segment, built my own transit/telescope. A photography segment. A chemistry and physics segment, including a sample of uranium ore and a cloud chamber to see the ion trails produced. But the neatest thing was the two tube AM receiving radio. Powered by 110V AC with a transformer. This series was great!

Anyway, the kits I imagine we could make now would use IC's that would allow the construction of audio amplifiers, FM receivers, and FM transmitters. Putting the young pre-hams in the 49MHz band would allow easy to build transmitters, and yagi's could be made with

metal rods standing upright in little stands which would allow the young-uns to play with reflectors and directors that are reasonably sized. You could even duplicate Yagi's original paper! Then add the VHF listening to weather band to please the parents, and allow police scanning, which if felt to be slightly naughty, would be a definite lure into technology. QRP in 49MHz using CW could also be pretty cool, with some kids in the neighborhood signalling each other in Morse. (Secret codes will always be cool). Hey, maybe even 49MHz modem links for the computer buffs.

One perspective to take is not that ham radio needs young folks, but that the country needs enthusiasm for science in young folks, with an expectation that that will bring a lot of enthusiasm into ham radio.

Steve Holland

-----  
Date: Thu, 16 Dec 1993 03:51:14 GMT  
From: newsflash.concordia.ca!nstn.ns.ca!news.ucs.mun.ca!kean.ucs.mun.ca!  
jcraig@uunet.uu.net  
Subject: Where have the DX bulletins gone?  
To: info-hams@ucsd.edu

In article <2en50v\$of7@usenet.INS.CWRU.Edu>, rab@hal.cwru.edu (Roger A. Bielefeld) writes:

> I used to regularly see DX bulletins posted here and cross-posted  
> to r.r.info, but haven't seen any for a few weeks. Is this service  
> gone permanently?  
>  
> 73, Roger AA8DV  
>

I was just about to ask the same thing. Boy do I miss these bulletins! I'm starting to waste my dx'ing time on packet and searching the news groups for dx bulletins.

Joe, V01NA

--

-----  
Date: (null)  
From: (null)  
LogMaster Plus/Plus is now fully QRZ compatible. You can obtain information by calling (800) 538-0001. A demo (without QRZ functionality - sorry) is available on the Sensible Solutions BBS at (908) 787-2982.

The demo is functional with SAM, and Buckkmaster, and will allow you to monitor

the cluster and directly QSY your radio from the spots. It will also qualify the spot against your log book and indicate if its a new or needed country.

LogMaster is NOT copy protected, and gives full indexing on Country, Prefix, U.S. State, CQ Zone, ITU Zone, 5 User defineable fields, Grid squares in addition to callsign and date. Most other loggers only provide indexing on callsign and date. This gives the best data retrieval performance of any commercial logger.

Alan

-----

End of Info-Hams Digest V93 #1473

\*\*\*\*\*  
\*\*\*\*\*